

REMARKS

Claims 2-4, 6-13, and 15-18 are pending in the application. Claims 3 and 15 are independent. Claims 5, 14, and 19-34 have been cancelled.

Claims 2-4, 6-13, and 15-18 have been rejected under 35 U.S.C. §112, second paragraph, as being indefinite. In response, independent claims 3 and 15 have been amended.

Claim 3 has been objected to because of an informality. In response, claim 3 has been amended.

Claims 2-4, 6-13, and 15-18 have been rejected under 35 U.S.C. §102(e), as being anticipated by U.S. Patent No. 6,651,171 ("England").

In response to the §102(e) rejections of claims 2-4 and 6-13, independent claim 3 has been amended to include at least one limitation not disclosed by England. Specifically, claim 3 has been amended to include reconfiguring a cache memory to operate in a mode in which cache lines are replaced in response to cache misses.

In response to the §102(e) rejections of claims 15-18, it is respectfully argued that independent claim 15 includes at least one limitation not disclosed by England. Specifically, claim 15 includes a memory controller and a separate private memory controller. In the office action, the examiner argues that bus controller 133 of England's Figure 1 anticipates the separate private memory controller. However, assuming for the sake of argument that England's bus controller 133 is the separate private memory controller of claim 15, then England does not disclose the memory controller of claim 15.

Therefore, independent claims 3 and 15 each include at least one limitation not disclosed by England, and each of dependent claims 2, 4, 6-13, and 16-18 include at least one limitation not disclosed by England based on their dependence on either independent claim 3 or 15. Accordingly, the rejections of claims 2-4, 6-13, and 15-18 under 35 U.S.C. §102(e) is respectfully requested.

CONCLUSION

Based on the foregoing, it is respectfully submitted that the rejections of claims 2-4, 6-13, and 15-18 have been overcome, and that these claims are in condition for allowance. Therefore, a Notice of Allowance is respectfully requested. Please charge any necessary fees to our Deposit Account No. 50-0221.

Respectfully submitted,

Date: July 10, 2007

/Thomas R. Lane/

Thomas R. Lane

Registration No. 42,781